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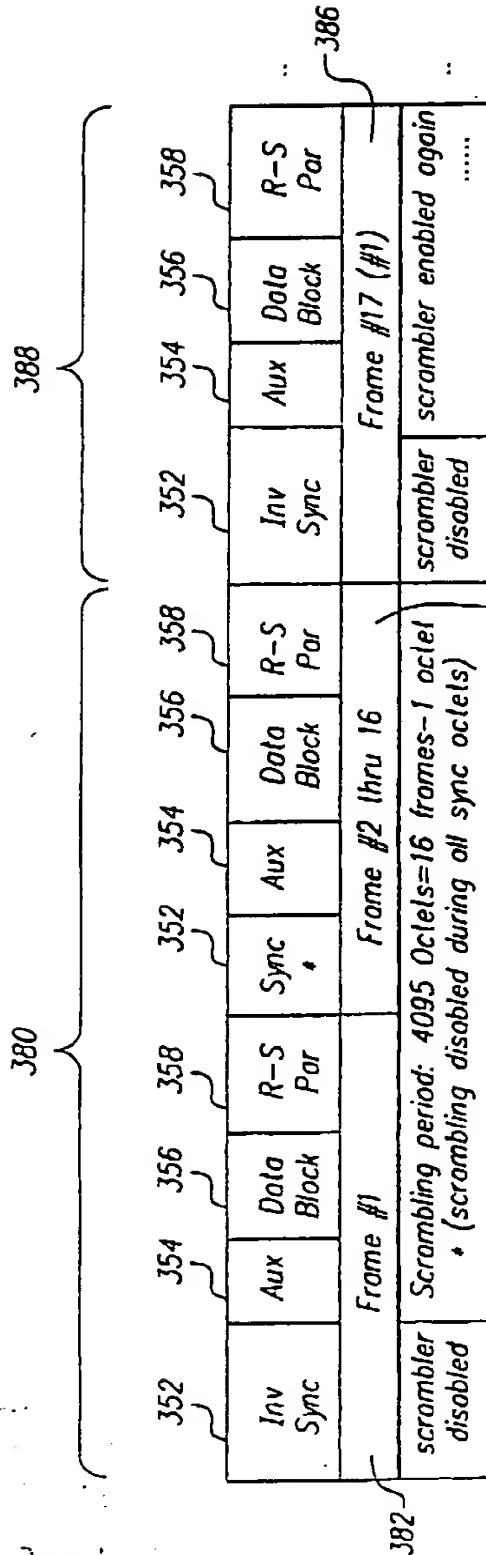


FIG. 7

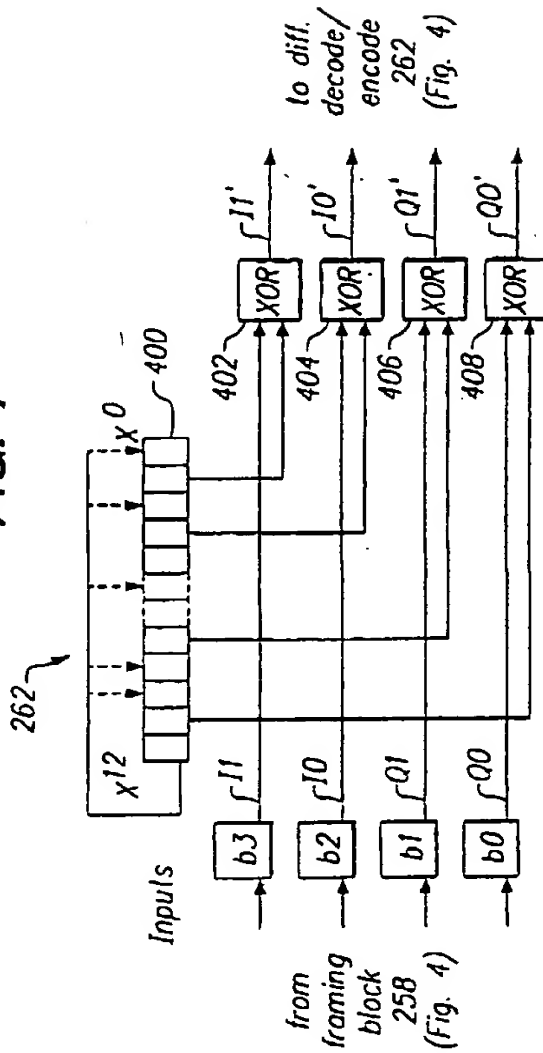
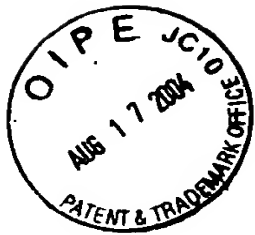


FIG. 8



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$$\begin{aligned}
 \text{Quad} &= 2 \cdot I1' + Q1'; & - \text{Map Quadrant Tag } [0 \ 1 \ 2 \ 3] \\
 \text{Phi} &= [0 \ 1 \ 3 \ 2]; & - \text{to Angle} = [0 \ 1 \ 2 \ 3] \\
 \text{Angle} &= \text{Phi}(\text{Quad}) \\
 \text{Sum} &= (\text{Sum} + \text{Angle}) \bmod 4; \\
 I1'' &= \text{bit 1 of Sum}; & I0'' = I0'; \\
 Q1'' &= \text{bit 0 of Sum}; & Q0'' = Q0';
 \end{aligned}$$

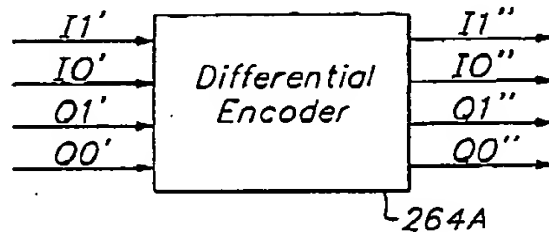


FIG. 9

$$\begin{aligned}
 \text{Angle} &= 2 \cdot RxIs' + RxQs'; \\
 \text{Phi}' &= [0 \ 1 \ 3 \ 2]; \\
 \text{Diff} &= (\text{Phi}'(\text{Angle}) - \text{Phi}_0) \bmod 4; \\
 \text{Phi}_0 &= \text{Phi}'(\text{Angle}); \\
 RxIs &= \text{bit 1 of Phi}'(\text{Diff}); & RxIm = RxIm'; \\
 TxIs &= \text{bit 0 of Phi}'(\text{Diff}); & RxQm = RxQm';
 \end{aligned}$$

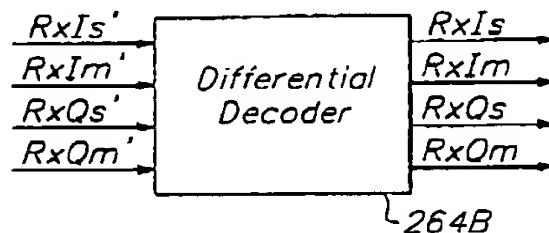
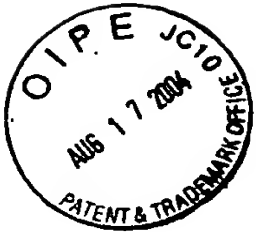
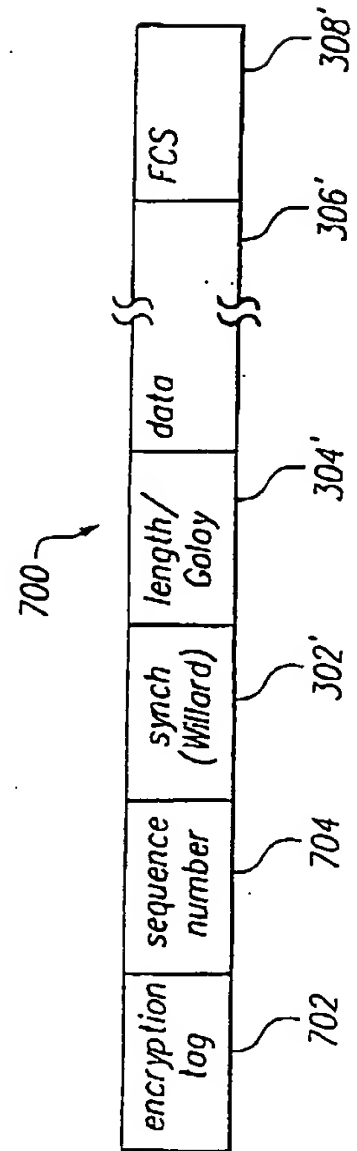
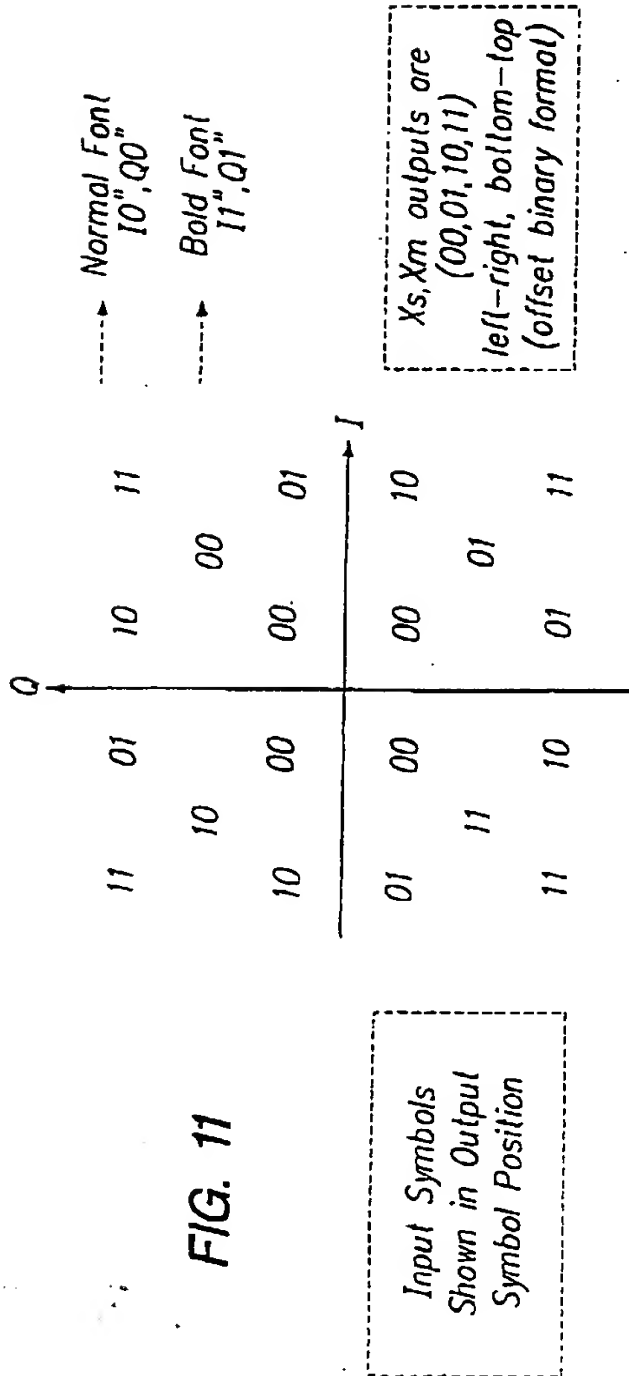


FIG. 10



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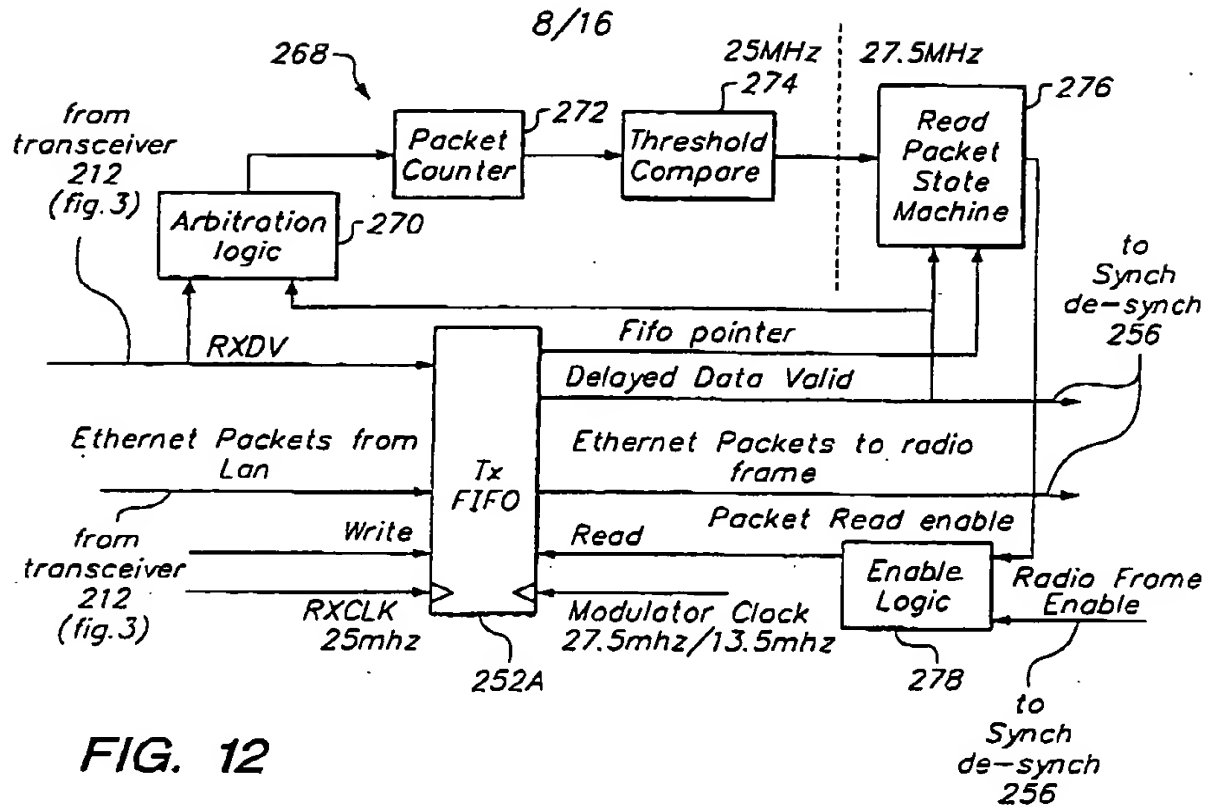
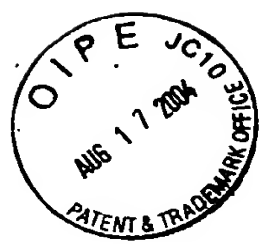


FIG. 12

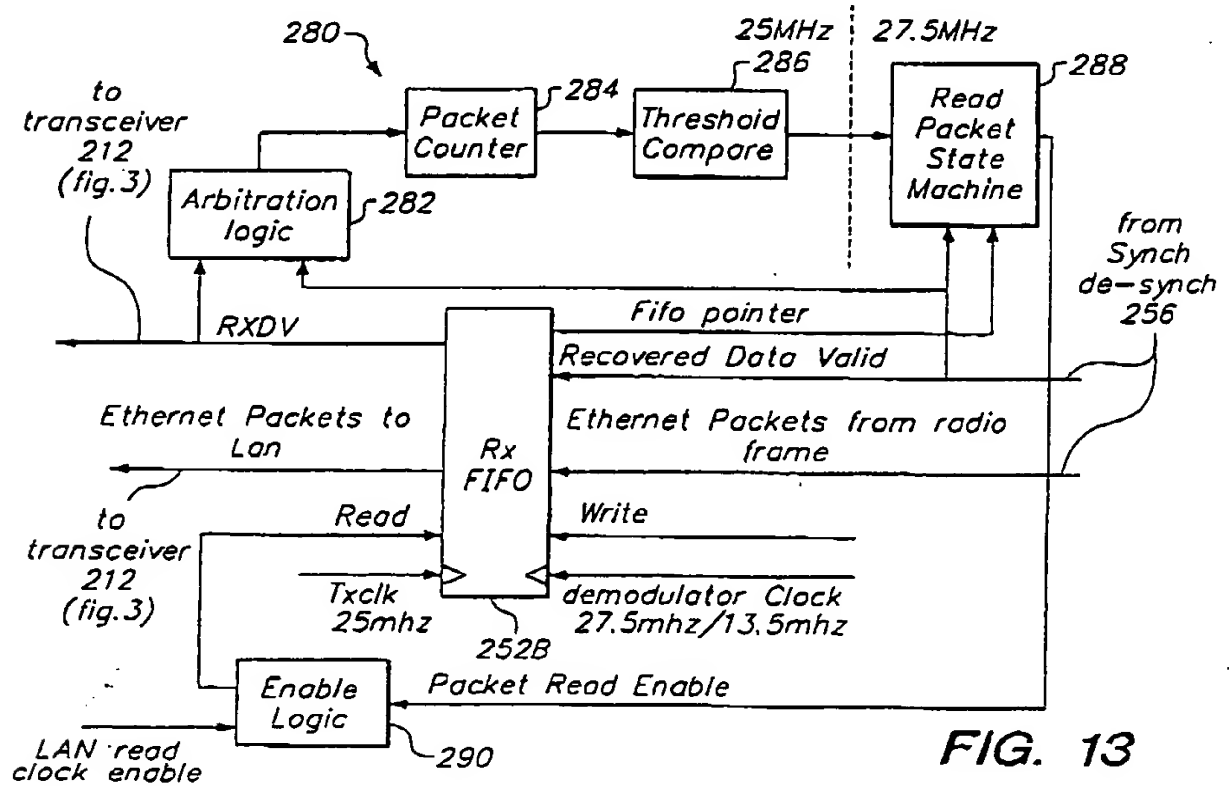
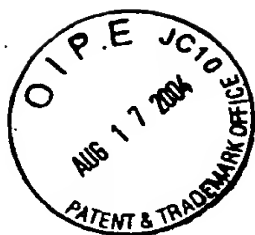


FIG. 13



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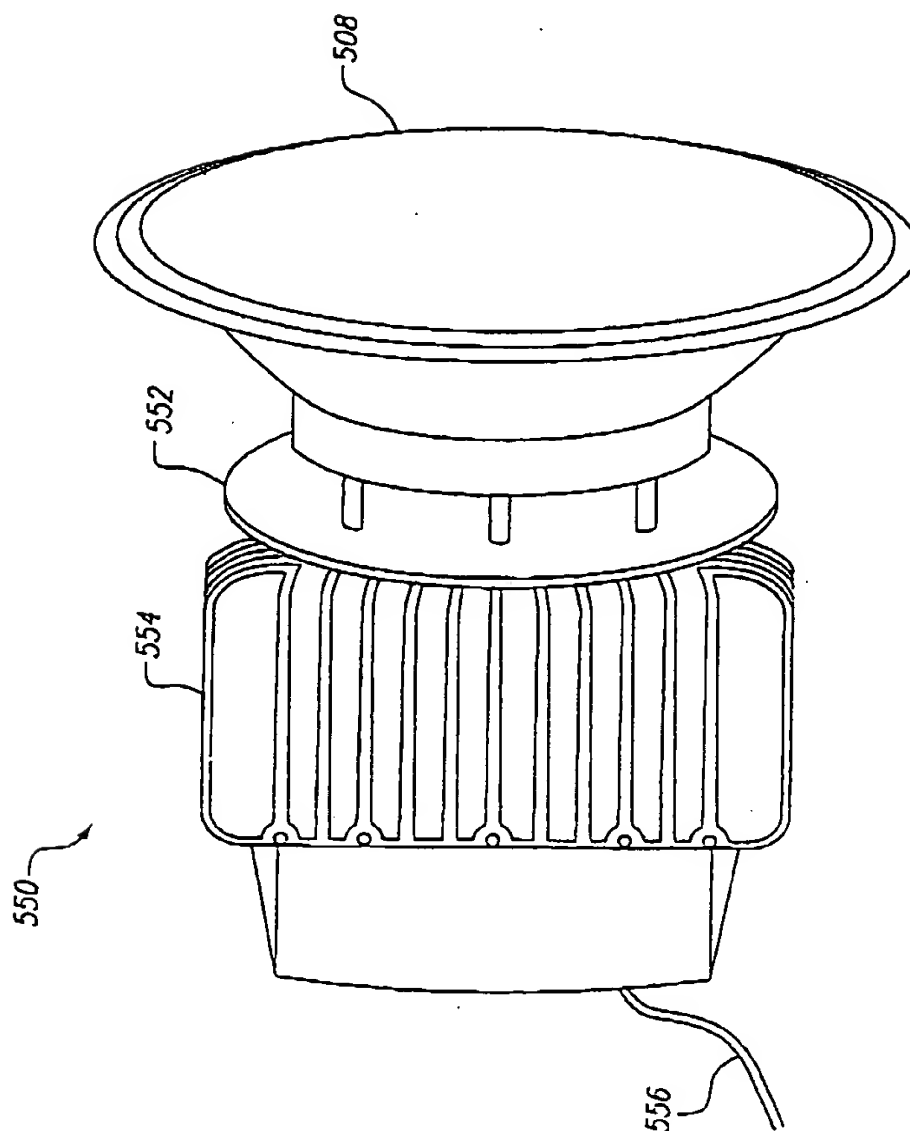
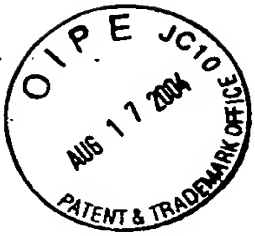


FIG. 15



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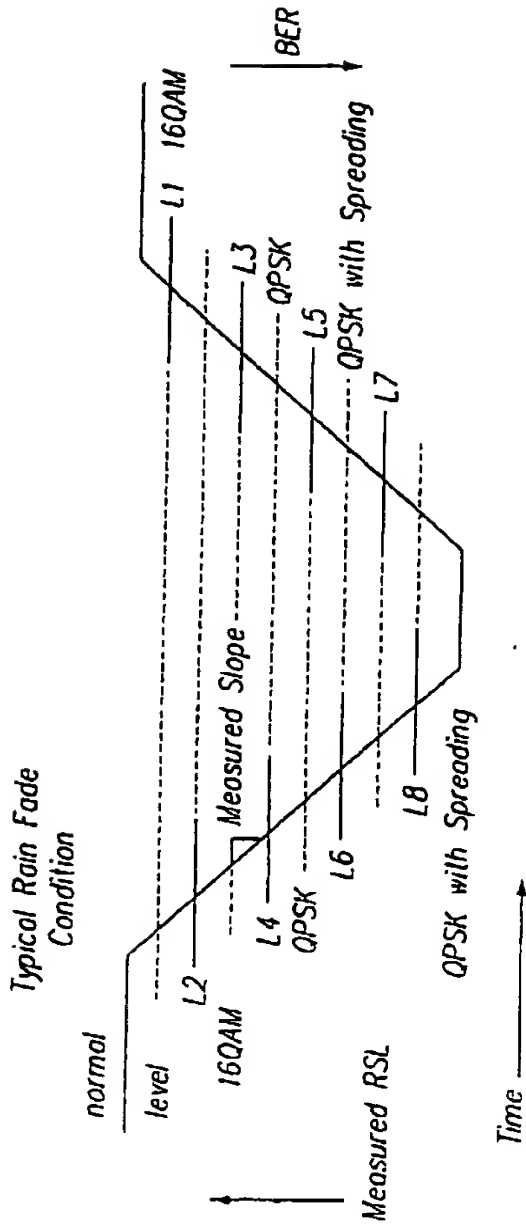


FIG. 19

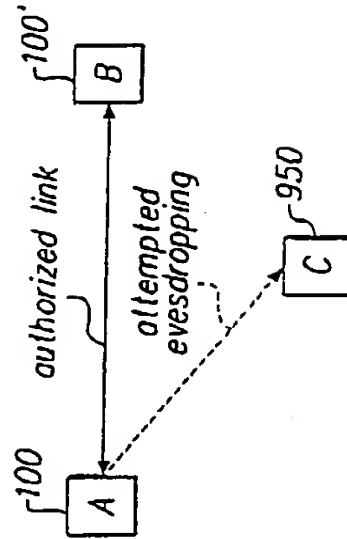
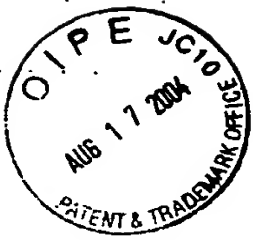


FIG. 22



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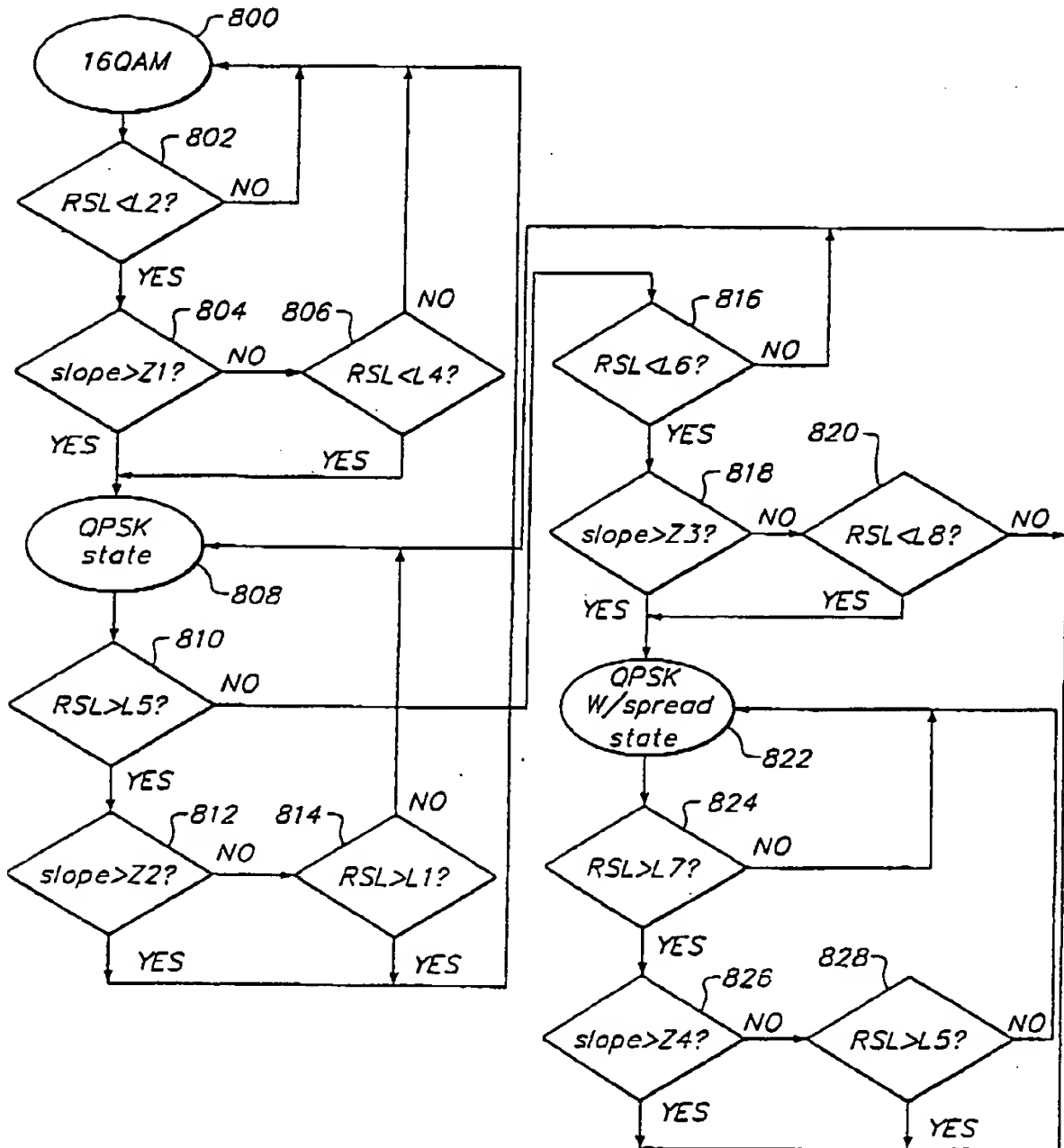
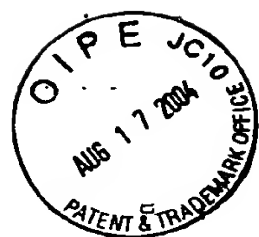


FIG. 20



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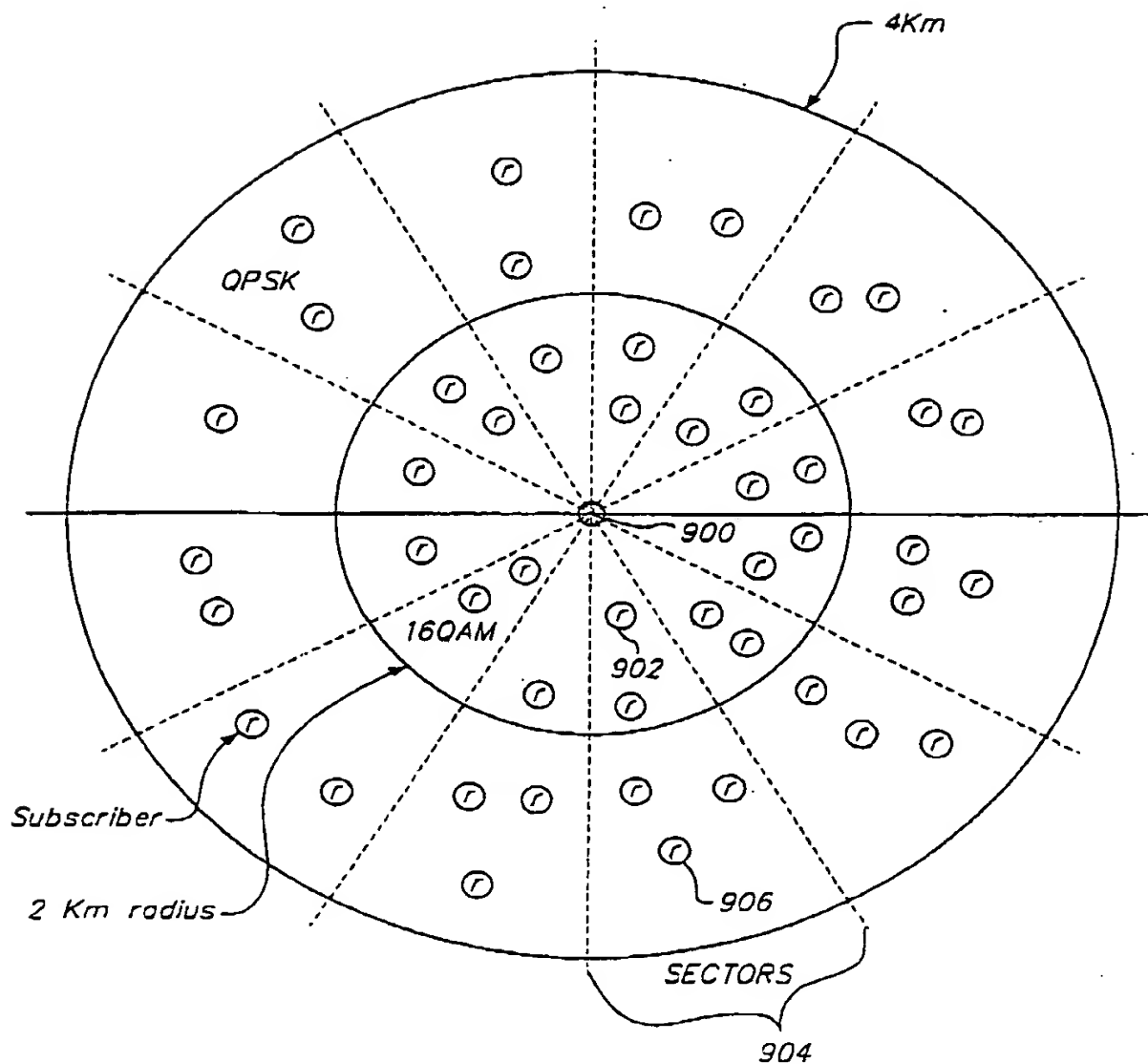


FIG. 21